

# RT7320 / RT7321 / RT7322

## Offline Linear LED Drivers

### Key Specifications

- Simple applications with low component count
- Automatic 2-parallel 2- series mode LED-string switching
- Programmable current levels in series & parallel modes
- 16% Higher LED utilization than competitors
- 500V rated internal devices
- High Power factor > 0.96 (RT7321/22)
- Thermal fold-back temperature protection
- Richtek Patented topology
- Suitable for medium power 6~8W offline applications

### Application examples:

#### RT7320 for simple 6.5W application

Vin	Pin	ILED	Pout	Efficiency	Ploss
230V	8.06W	25.8mA	6.7W	83.4%	1.3W

#### RT7321 for 7W high Power Factor application

Each LED string:  
LUMILED 4848HV 24V  
3-series and 2 parallel

16% Higher LED utilization compared to competitor solutions  
More light output at lower cost.

### Offline Linear LED Driver Product Family

Product	LED String	High Power Factor	Where to Use	Package
<a href="#">RT7320</a>	1- series mode		Suitable for 2-7W app.	PSOP-8
<a href="#">RT7321</a> <a href="#">RT7322</a>	Automatic 2-parallel 2- series mode	v	Suitable for 6-8W app.	PSOP-8(customized current setting), WQFN5x5-20L(adjustable current setting)